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DIALOG(R)File 351:Derwent WPI

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Security protocol for information exchange with portable object - using exchange and updating of signatures, achieved through algorithm, certificate and random number

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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FR 2697929	A1	19940513	FR 9213726	A	19921110	199422 B
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Priority Applications (No Type Date): FR 9213726 A 19921110

Abstract (Basic): FR 2697929 A

The protocol involves the portable object initially transmitting to the control unit a current signature and fixed and current customer information (21). The control unit verifies the current signature (22) and the integrity of the current customer information and then updates the current customer information.

A new signature (22) is also produced in the control unit as a certificate and transferred with the current customer data to the portable object (211). The portable object verifies the first signature, writes the second (25, 26) and transfers the random number to the control unit where it is verified (27), enabling the gate to open (28).

ADVANTAGE - Protocol is secure and has reduced number of stages.

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